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**Imagery analysis report**

## **Iraq/Iran Military Summary**

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**IRAQ/IRAN MILITARY SUMMARY [S]**

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1. (S/D) This report updates the most recent<sup>1</sup> in a series of imagery-derived reports on the Iraq/Iran conflict and covers the period [ ] This report discusses deployed ground forces in the forward area, rear garrison units (Figure 1), airfields, naval bases, commercial shipping, POL facilities, and related activity in Jordan. Military unit designators and subordination (where used) are derived from collateral sources.<sup>2</sup> Acronyms and abbreviations are defined in a glossary at the end of the report. Additional reports will be issued as the situation changes.

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**OVERVIEW**

2. (S/D) Imagery of the forward areas of conflict during the reporting period showed that the Iraqi forces apparently control the city of Khorramshahr north of the Karun River. Iranian forces were still in control of Ahvaz and Dezful where the Iraqi and Iranian positions remained relatively unchanged. Iranians continued to reinforce their forces in Dezful with the recent arrival of two tank companies and one mechanized infantry company.

3. (S/D) Four Iraqi and seven Iranian rear area garrisons/facilities were imaged during the reporting period. Elements of the two tank battalions from the Iraqi 5th Mechanized Division in the Az Zubayr area returned to garrison. Major elements of the Iranian 2nd Armored Brigade of the 16th Armored Division at Zanzan had departed garrison [ ]

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4. (S/D) Three Iraqi and 13 Iranian airfields were imaged during the reporting period.

5. (S/D) One Iraqi and one Iranian naval facility were imaged.

6. (S/D) Eleven Iraqi and 16 Iranian POL-related facilities were imaged. New damage was observed at two Iranian facilities.

7. (S/D) Related activity included the identification of probable Czechoslovakian-produced trucks at Aqaba, Jordan. These trucks may be involved in the reported Jordan effort to resupply Iraq.

**GROUND FORCE ACTIVITY****Iraq/Iran Forward Areas****Khorramshahr/Abadan Area**

8. (S/D) Iraqi forces appeared to control the city of Khorramshahr north of the Karun River [ ] Elements of an Iraqi tank company and a mechanized infantry company were in the city, while two Iraqi tanks and an APC were parked just north of the bridge over the Karun River (Figure 3). This bridge links Khorramshahr to Abadan. The Iraqi-controlled Khorramshahr Barracks North [ ] had sustained moderate damage from artillery fire, and the associated ammunition storage area had been heavily damaged. Four abandoned Iranian tanks and numerous support vehicles remained in garrison. An Iraqi tank company and a mechanized infantry company were observed 3 nm north of Khorramshahr. Also a line of trucks was parked in a treeline 1.5 nm northeast of the city. Iraqi artillery units on the west bank of the Shatt Al Arab in Iraq included three probable mortar batteries and two artillery batteries 9 nm northwest of Abadan as well as one artillery battalion and three AA batteries approximately 12 nm northwest of the city. The area previously occupied by an Iraqi tank brigade, 5 nm north of Abadan, was not imaged.

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9. (S/D) Iranian forces observed in the Abadan area included elements of a tank platoon which remained just south of the Khorramshahr/Abadan bridge over the Karun River, in a residential area (Figure 3). Seven ZU-23 AA positions were still deployed around the airfield at Abadan.

**Ahvaz Area**

10. (S/D) Elements of an Iraqi mechanized infantry brigade remained deployed approximately 9 nm west and southwest of Ahvaz [ ] Elements of an armor brigade with two AA batteries remained 11 nm west of the city, immediately behind the mechanized infantry brigade. Farther to the rear, three artillery battalions with two AA batteries and a probable division-level command post were 17 nm west of Ahvaz.

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11. (S/D) Iranian ground forces deployed in defense of Ahvaz remained essentially unchanged. They included one tank company, one tank platoon, one mechanized infantry company, one mechanized infantry platoon, two M107 SP gun batteries, and four M109 SP gun batteries. One AA battery was 4.5 nm east-northeast of the city at the Ahvaz Airfield. Ahvaz Hawk Site 10 [ ] remained unoccupied.

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12. (S/D) A second Iraqi force was seen for the first time 23 nm west-northwest of Ahvaz and 7 nm south of the Karkheh River [redacted] This Iraqi force consisted of one tank battalion, one mechanized infantry company and a AA battery. An Iraqi tank platoon and a mechanized infantry platoon were providing security at two bridges across a small stream 2 nm south of this force.

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13. (S/D) An Iranian tank company was seen for the first time deployed as a blocking force along a road 1.5 nm south of the Karkheh River and 5 nm north of the Iraqi force [redacted]

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14. (S/D) A third Iraqi force was partially imaged 35 nm northeast of Ahvaz. The force consisted of one probable tank battalion and one probable mechanized infantry company.

15. (S/D) An Iranian force of unknown size and composition, 32 nm northwest of Ahvaz, was opposing the Iraqi force. An additional Iranian armored force of at least battalion size, observed for the first time, was 25 nm northwest of the city.

**Dezful Area**

16. (S/D) Elements of an Iraqi tank brigade and mechanized infantry brigade remained 13.5 nm west of Dezful [redacted] Approximately 60 destroyed vehicles were observed in the area between the Iraqi forces and the Iranian forces immediately west of the Karkheh River. The Iranian forces, which remained west of the Karkheh River, consisted of a tank battalion-minus and a mechanized infantry company. Elements of one Iranian tank company had been removed from the west bank of the Karkheh River [redacted]

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17. (S/D) The Iraqi force 14.5 nm southwest of Dezful and immediately west of Shush consisted of two tank battalions, one mechanized infantry battalion, one tank company, and one mechanized infantry company [redacted] These Iraqi positions remained essentially unchanged [redacted]

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18. (S/D) Additional Iraqi forces, 10 nm west of Shush, consisted of one tank company, two mechanized infantry platoons, three FA battalions, one FA battery, and one engineer battalion [redacted] Air defense for this force was being provided by three SA-6 battalions. The westernmost SA-6 battalion and FA battery were only seen [redacted]

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19. (S/D) Iranian forces deployed southwest of Dezful in the Shush area consisted of one tank company, one SP gun battalion, and two SP gun batteries.

20. (S/D) Iranian forces within 10 nm of Dezful, stretching from the northwest quadrant to the southwest quadrant, consisted of one tank battalion, one tank battalion-minus, two tank companies, one tank platoon, one SP gun battalion, three SP gun batteries, and four FA batteries. A probable CP consisting of numerous trucks and tents remained in ravines immediately northwest of the city. Also a probable mobile AD unit remained just west of Dezful. Although force strengths in the Shush and Dezful areas remained essentially unchanged, there was some repositioning of units.

21. (S/D) An Iranian tank force of at least battalion size (possibly elements of a brigade), a mechanized infantry company, and numerous support vehicles remained positioned 10 nm north of Dezful. A field-deployed Hawk site consisting of three launchers, five probable associated Hawk radars, and numerous vehicles was newly identified collocated with these units at 32-33-10N 048-22-40E [redacted] (Figure 6). Some of the Hawk equipment had been in place [redacted]

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22. (S/D) An armor force consisting of at least two tank companies and one mechanized infantry company was 12 nm north-northwest of Dezful. This force arrived [redacted] The field logistics depot identified [redacted] was not imaged during this reporting period.

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23. (S/D) Other AD units in the Dezful area [redacted] included two occupied Hawk sites (Dezful Hawk Site 2, A24-35, [redacted] and Dezful Hawk Site 5, A05-35, [redacted] and three AA batteries around Vahadati AB Airfield.

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24. (S/D) The status of equipment in Dezful Barracks and Brigade Headquarters [redacted] appeared to be unchanged [redacted]

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**Rear Area****Iraq**

25. (S/D) In the Az Zubayr area, two of the three major installations housing the 5th Mechanized Infantry Division were observed [redacted] Elements of the two tank battalions previously reported out of garrison at Az Zubayr Barracks and Brigade Headquarters Southwest [redacted] have returned. Seventeen tanks were in one battalion area, and eight tanks were in the second battalion area. Numerous pieces of captured Iranian equipment including M-60 tanks, BTR-60 and BTR-50 APC, trucks, and jeeps were observed in an area just northwest of the barracks area (Figure 7). Ten OT-64 APC were in garrison at Ash Shuaybah Barracks Southwest Airfield [redacted] This facility houses a mechanized infantry battalion.

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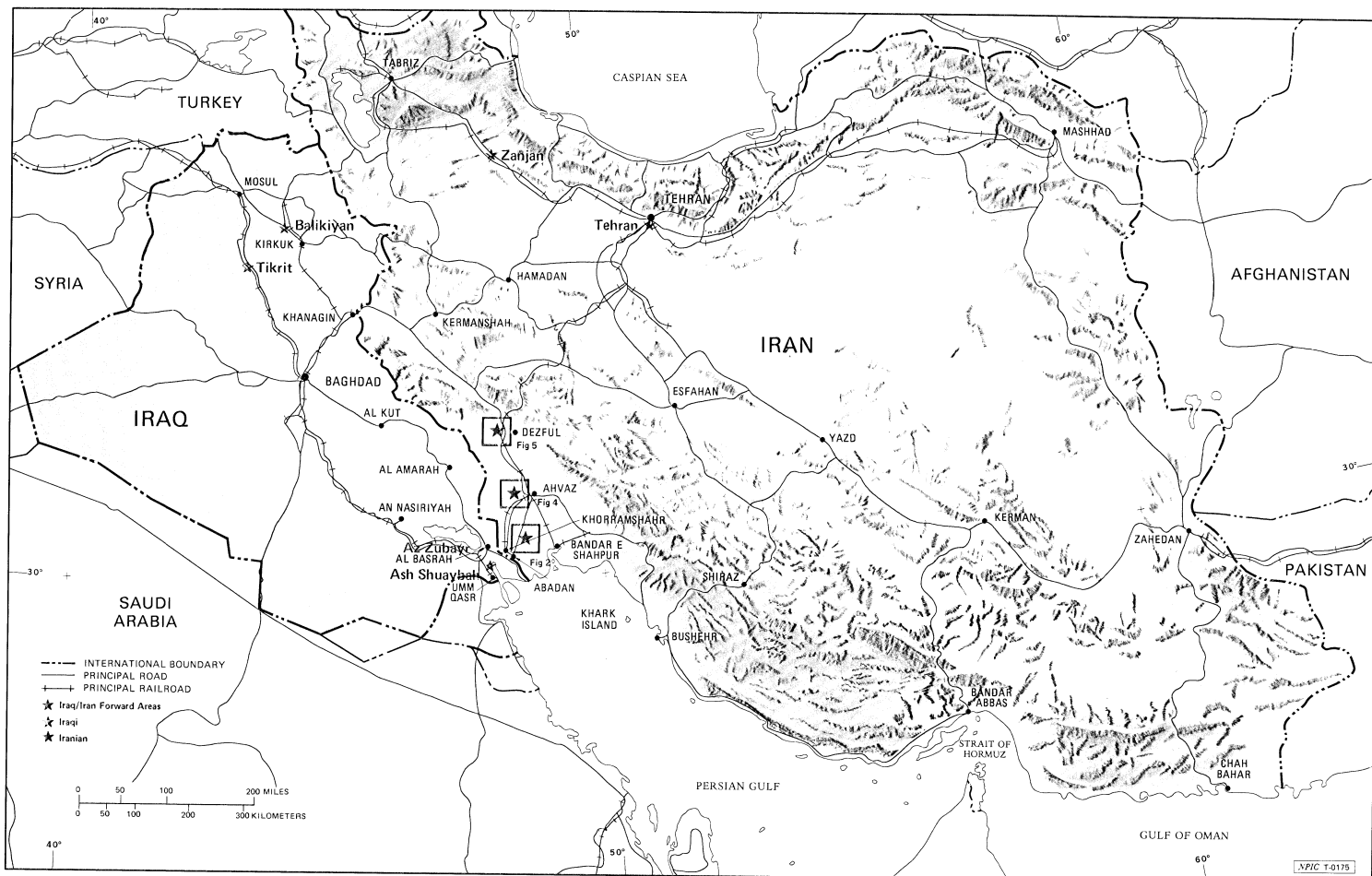


FIGURE 1. IRAQI/IRANIAN GROUND FORCES ACTIVITY



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26. (S/D) Three HIP, one SUPER FRELON, and one probable Alouette helicopters were observed in the Al Basrah area near Ash Shuaybah SA-2 SAM Site [ ] 5 nm southwest of Shaibah Airfield [ ] 25X1  
25X1
27. (S/D) A tank company was deployed in revetments within the vehicle parking area at Tikrit Barracks Division and Brigade Headquarters Albu Ali [ ] Three tank battalions, one mechanized infantry battalion, and one chemical defense/medical unit remained out of garrison. 25X1
28. (S/D) Twenty-four trucks in revetments and five trucks in the open were observed throughout Balikiyan Military Camp [ ] 50 nm northwest of Kirkuk [ ] No evidence of battle damage was observed. 25X1

**Iran**

29. (S/D) Major elements of the 2nd Armored Brigade of the 16th Armored Division housed at Zanzan Barracks and Brigade Headquarters [ ] in northwest Iran, departed between [ ] 25X1  
[ ] Units absent from garrison included elements of two tank battalions, one mechanized infantry battalion, and one divisional SP howitzer battalion. Units remaining include two tank companies and one SP howitzer battery. Mechanized infantry equipment including six BMP, ten M-113, and six BTR-50 also remained. 25X1
30. (S/D) The convoy of cars in a field next to Tehran Barracks and Ordnance Depot Abbasabad [ ] The number of buses in a vehicle parking area in the northern sector of the barracks fluctuated from the 61 [ ] to 142 on 28 October, and to 76 [ ] 25X1  
25X1  
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31. (S/D) Eight buses were in the southern vehicle storage area at Tehran Barracks Ordnance Depot and Headquarters Ashratabad [ ] the number of buses had increased to 24. In addition, two groups of approximately 50 people (50 were near one of the buses and 50 were in an open area near the buses) were observed. 25X1
32. (S/D) Helicopters remained dispersed in four areas around Tehran. Nine AB-214 helicopters were at Tehran Barracks and National Defense University Qasr-E Qajar [ ] three AB-214 remained at Tehran Army MP Jamshidiyeh [ ] one CH-47 helicopter remained at Tehran Barracks and Special Forces Brigade Headquarters Bagh-E Shah [ ] and five AB-214 were again observed at Zendan-E Qasr Prison [ ] 25X1  
25X1  
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**AIR ACTIVITY**

33. (S/D) No significant new damage was observed at any of the Iraqi or Iranian airfields (Figure 9 and Table 1).

**Iraq**

34. (S/D) Three Iraqi airfields were imaged [ ] 25X1

**Iran**

35. (S/D) Thirteen Iranian airfields were imaged during this period. On partial coverage of Khatami AB Airfield, a new 35mm AA site was deployed immediately north of the hangar area dispersal area. A major portion of the airfield was cloud covered; however, 13 F-14, two probable F-14, and five probable aircraft were in the hangar area dispersal area.
36. (S/D) Possible repair of previous bomb damage was observed near the northwest end of runway 14R/32L at Vahdati AB Airfield [ ] 25X1

**NAVAL ACTIVITY****Iraq**

37. (S/D) No battle damage was observed at Al Basrah Naval Base [ ] 25X1  
One Osa PTG, three P-6 PT, and three Yevgenya MSI were moored at the naval base. Two SO-1 PCS, one T-43 MSF, two Polnocny LSM, and one Split-B AX were moored in midstream near the naval base. Two P-6 PT were moored at a quay 2 nm upriver from the naval base.

**Iran**

38. (S/D) Damage was observed at Khorramshahr Naval Base Repair and Storage Facility [ ] 25X1  
[ ] One building had been destroyed, a second had been heavily damaged, and a third building had sustained roof damage. One MK-III PB and one LCU remained at the quay. 25X1

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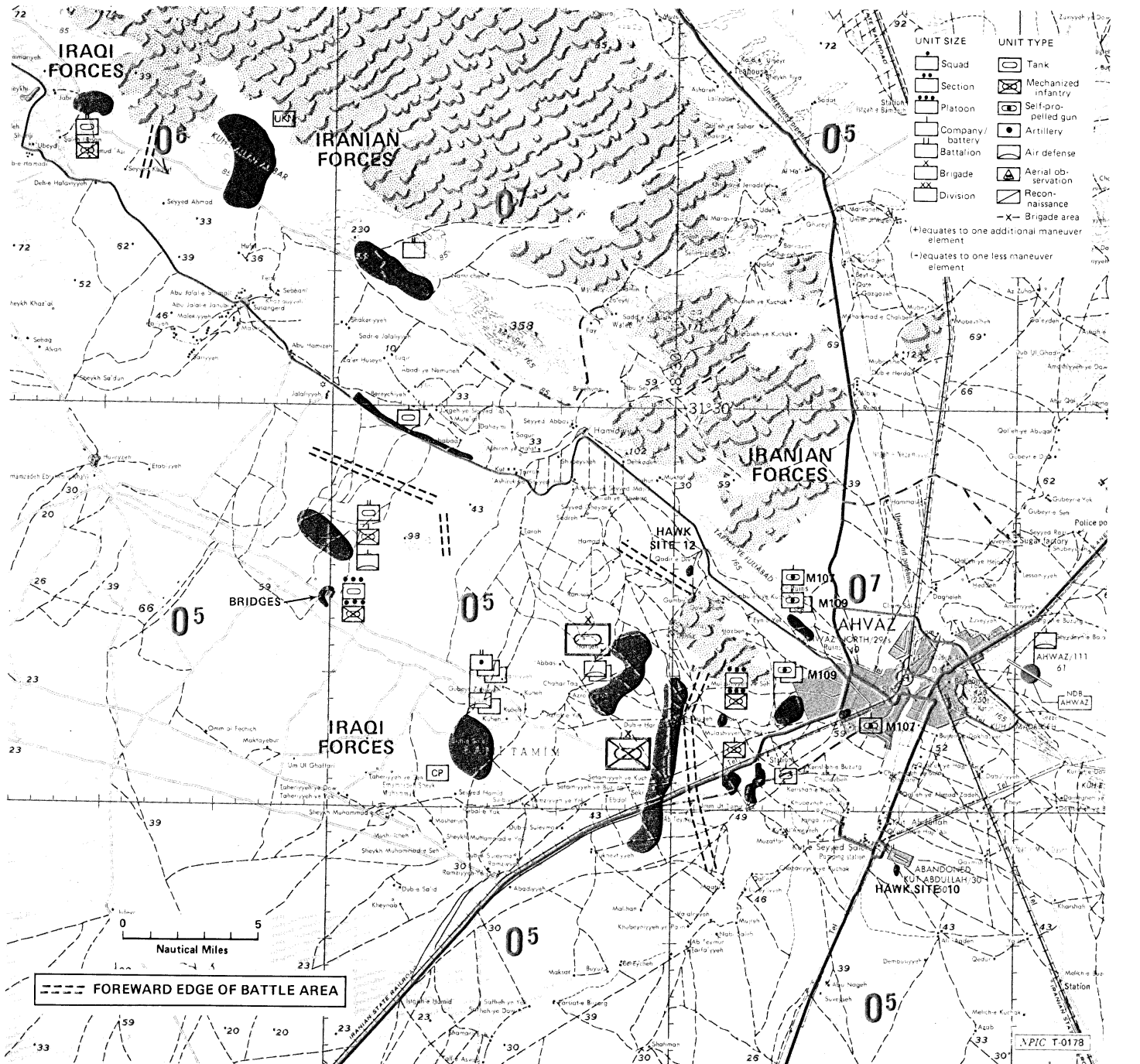


FIGURE 4. GROUND FORCES ACTIVITY, AHVAZ AREA, IRAN.

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**Table 1.**  
**Air Activity in Iraq and Iran**  
**(Items keyed to Figure 9)**

*This table in its entirety is classified SECRET/WNINTEL*

Item	Installation/BE No	Date of Coverage	AOB Present	Operational Status/Remarks
Iraq				
1	K-3 Airfield <div></div>		3 HIP	Operational; undamaged
2	K-1 Airfield <div></div>		20 HIP; 8 Wessex; 1 poss Alouette	Not operational because of runway construction; no new damage
3	Shaibah Airfield <div></div>		3 HIND; 2 HIP; 2 SUPER FRELON	Operational; undamaged; irregular patching (possible asphalt) near south end of the runway and on two link taxiways; one SUPER FRELON, three HIP, and one Alouette adjacent to an SA-2 site approx 5 nm south of airfield; partial coverage
Iran				
4	Susa Airfield <div></div>		None	Operational; undamaged; graded-earth runway in Iranian territory now occupied by Iraqi forces
5	Vahdati AB Airfield <div></div>		3 F-5; 1 C-130; 1 CH-47; 8 AH-1/-AB-214	Operational; no new damage; possible repair of previous bomb damage observed near the NW end of runway 14 R/32L
6	Abadan International Airfield <div></div>		2 F-27	Operational; no new damage; both left and right runways remain blocked by vehicles/-equipment; partial coverage
7	Ahvaz Airfield <div></div>		None	Operational; no new damage; four ZSU-57/2 deployed around airfield
8	Ahvaz Airfield North <div></div>		None	Operational; undamaged
9	Manzariyeh Airfield <div></div>		None	Operational; undamaged
10	Tehran Doshan/Tappeh Airfield <div></div>		3 T-33; 1 C-130; 4 F-27; 1 CH-47; 4 AB-214	Operational; undamaged; graded-earth runway remains blocked by seven vehicles; a second probable Rapier site identified between the runway and the main parking apron; the Rapier site identified on 24 Oct remains occupied
			3 T-33; 2 C-130; 6 F-27; 1 CH-47; 5 AB-214	Operational; undamaged; partial coverage; Rapier sites not covered
11	Esfahan Airfield <div></div>		5 CH-47; 11 UH-1 type	Operational; partial coverage; heavy clouds
12	Khatami AB Airfield <div></div>		13 F-14; 2 prob F-14; 2 C-130; 5 fighter aircraft	Operational; undamaged; one F-14 taxiing toward runway; heavy clouds; partial coverage; a newly identified 35mm AA site deployed immediately north of hangar area
13	Lavan Airfield <div></div>	None	Operational; undamaged; four vehicles adjacent to runway	
14	Zahedan Airfield <div></div>	2 747; 2 747 SP; 1 707; 1 727; 1 737; 1 small straight wing	Operational; undamaged; one 747 with Iranian military markings and one with civilian markings; the 707, 727, and 737 all bear civilian markings	
15	Chah Bahar AB Airfield <div></div>	None	Operational; undamaged; neither runway blocked; however, the high-speed taxiway remains blocked by one vehicle	
16	Chah Bahar Airfield <div></div>	None	Operational; undamaged	

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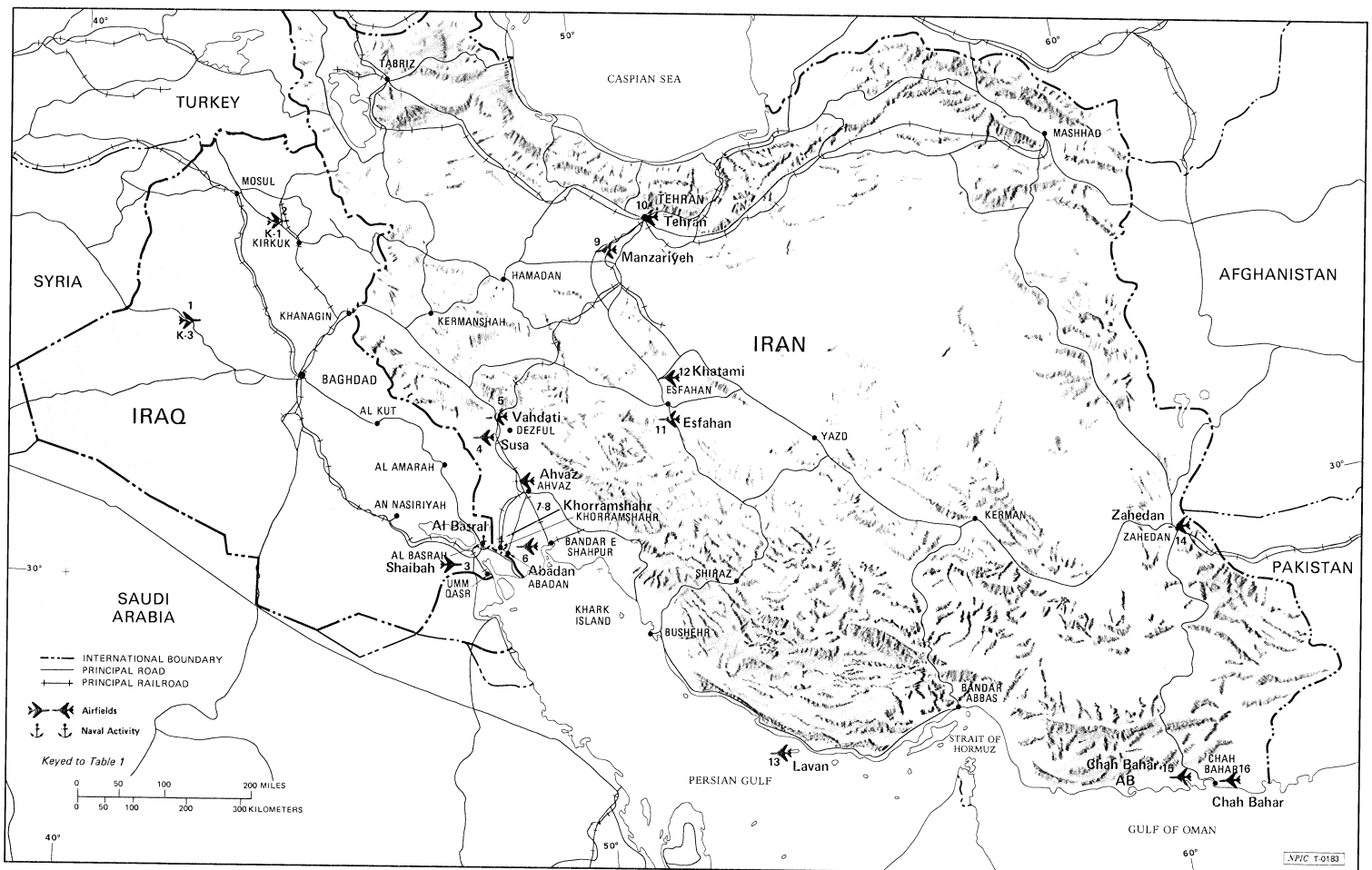


FIGURE 9. IRAQI/IRANIAN AIR AND NAVAL FACILITIES

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COMMERCIAL SHIPPING

Shatt Al Arab

39. (S/D) The AL Basrah, Khorramshahr, and Abadan areas on the Shatt Al Arab were imaged on [redacted] In the AL Basrah area from 30-34-20N 047-46-35E to 30-31-05N 047-50-05E, 14 medium freighters (including one Leninskiy Komsomol), two container ships, one medium tanker, and one small/-coastal freighter remained at the quay at Al Basrah Port Facilities, Iraq [redacted] while eight freighters, two coastal/small freighters, and one bulk carrier remained DIW downstream from the port facility.

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40. (S/D) In the Khorramshahr area from 30-26-00N 048-09-25E to 30-22-45N 048-10-40E, two freighters remained at the quay at Khorramshahr Port Facilities, Iran [redacted]. One freighter left the quay [redacted] and may have moved upstream. No additional battle damage was observed at the port facilities. Three freighters and seven coastal/small freighters remained in midriver. One of these freighters, riding low in the water perpendicular to and apparently blocking the channel, remained immediately north of the port (Figure 10). This ship was previously reported on fire and showed extreme fire damage amidships.

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41. (S/D) In the Abadan area from 30-19-20N 048-12-35E to 30-17-40N 048-18-50E, one small/-coastal freighter remained at the quay at Abadan Port Facilities, Iran [redacted] and no battle damage was observed. One tanker, 13 small/coastal freighters, and two ARD-D remained in midriver. One of the small/coastal freighters remained low in the water 1 nm north of the port, and eight of the small/coastal freighters remained aground 1 nm southeast of the port.

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42. (S/D) Near the mouth of the Shatt Al Arab at Al Faw Port Facilities [redacted] one bulk carrier and one coastal/small freighter remained moored at the pier, while two freighters and one probable tanker were moored in midriver. No damage was observed at the port.

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43. (S/D) No vessels were observed at Khor Al Amaya POL Terminal [redacted] at the mouth of the Shatt Al Arab. [redacted]

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Strait of Hormuz

44. (S/D) Three medium bulk carriers and three medium general cargo ships were being offloaded onto waiting trucks at the quay at Shah Bandar Abbas Port Facility [redacted] Two additional medium general cargo ships were moored in the protected anchorage; material was being offloaded from one of these vessels onto four barges. The two general cargo ships and two bulk carriers observed at this port on [redacted] had departed [redacted]

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45. (S/D) Shah Bandar Abbas Port Facilities West [redacted] remained nonoperational because of silt in the harbor. Construction on this port has apparently been discontinued.

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46. (S/D) No evidence of hostilities, increased defense measures, or unusual activity was observed on partial coverage of Jazireh Ye Abu Musa Island [redacted]

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POL FACILITIES

47. (S/D) Eleven Iraqi and 16 Iranian POL-related facilities were observed during the reporting period with new damage to two Iranian facilities (Figure 11 and Table 2).

48. (S/D) Two of the 39 Pol storage tanks at Khorramshahr Petroleum Products Storage South were destroyed, and at least eight others had sustained damage [redacted] In addition, at least 17 buildings had sustained moderate to heavy roof damage.

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49. (S/D) At Bandar-E Mashur Petroleum Product Storage and Gas Plant, five large POL tanks were destroyed [redacted] This represents a loss of a 391,800 barrel storage capacity. This facility is still capable of storing 4,725,315 barrels.

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OTHER

Jordan

50. (S/D) Ninety-two probable Czechoslovakian-produced TATRA-805 and 25 probable Czechoslovakian-produced TATRA-149 cargo trucks were observed throughout Al Aqabah Port Facilities [redacted] Jordan (Figure 12). None were present [redacted] Numerous Czechoslovakian vehicles of this type were in an offload storage area near an empty unidentified ro/ro cargo vessel at Tuwwal Port Facilities [redacted], Saudi Arabia, 5 nm southeast of Aqaba. [redacted] Because of the backup of ships at Aqaba, the TATRA cargo trucks may have been offloaded at Tuwwal and moved overland to Aqaba to aid in the reported Jordanian resupply of Iraq.

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**Table 2.**  
**POL Facilities in Iraq and Iran**  
**(Items keyed to Figure 11)**

*This table in its entirety is classified SECRET//NOINTEL*

Item	Installation Name/BE No	Date of Coverage	Damage	Comments	Item	Installation Name/BE No	Date of Coverage	Damage	Comments
<b>Iraq</b>					14	Khorramshahr Petroleum Products Storage South		New	Two of 39 POL storage tanks destroyed; at least eight others sustained damage; at least 17 bldgs damaged
1	Al Hadithah Petroleum Topping Pumping and Storage K-3		None		15	Ahvaz Gas/Oil Separation Facility Northeast		None	
2	Sarbashakh Degassing Station		None		16	Ahvaz Petroleum Product Storage and Pumping Station Transfer Iran 2		None	
3	Saralu Degassing Station		None		17	Ahvaz Gas/Oil Separation Facility North		None	
4	Hanjira Degassing Station		None		18	Ahvaz Gas Oil Separation and Pumping Station East		None	Five ZU-23 AA sites around facility
5	Kirkuk Petroleum Pumping Station and Storage K-1		Old	Quonset hut destroyed	19	Marun Gas-Oil Separation Plant PU 4		None	
6	Kirkuk Petroleum Refinery and Storage		None		20	Bandar-E Mashur POL Terminal		None	
7	Kirkuk Gas Absorption and Stabilization Plant North		None		21	Bandar-E Mashur Petroleum Product Storage and Gas Plant		New	Five large POL tanks destroyed; prior to war capacity approx 5,117,115 barrels; current capacity approx 4,725,315 barrels
8	Al Basrah Petroleum Refinery Muftiyah		Old	One large and one medium POL tank destroyed with damage to adjacent pipelines; prior to war capacity of approx 3,490,877 barrels; current capacity approx 3,209,200 barrels	22	Gach Saran Topping and Stabilization Plant		None	
9	Az Zubayr Pumping Station Gas/Oil Separation and Storage		New	Fire at base of one small POL tank on east side of facility; no structural damage to tank observed; storage capacity remains at approx 333,070 barrels	23	Gach Saran Gas Oil Separation Plant PU 3		None	
10	Basrah Petrochemical Plant		Old	Storage/support area destroyed	24	Gach Saran Gas-Oil Separation Plant PU 4		None	
11	Al Faw Crude Petroleum Storage		Old	Two large tanks and two medium tanks destroyed; three medium tanks burned with little structural damage; prior to war capacity approx 10,249, 100 barrels; current capacity approx 9,071,429 barrels	25	Esfahan Petroleum Refinery Northwest		None	Heavy cloud cover over most of facility
<b>Iran</b>					26	Shiraz Petroleum Refinery		None	Seven ZU-23 AA sites and one new 35mm AA site around facility
12	Abadan Petroleum Products Storage and Pumping Station Transfer Iran 1		Old	Smoke obscured part of facility; 40 POL storage tanks destroyed; six POL tanks damaged; seven POL tanks burning; pipelines burning; original capacity 14,030,500 barrels; current capacity at most 9,660,500 barrels	27	Jazireh Ye Lavan POL Topping and Gas-Oil Separation Plant		None	
13	Abadan Petroleum Refinery NIOC		Old	Ten large vertical storage tanks, five POL tanks destroyed; 19 small vertical storage tanks damaged; one vertical tank destroyed; pipelines damaged; original capacity 16,000,000 barrels; current capacity at most 15,220,000 barrels					

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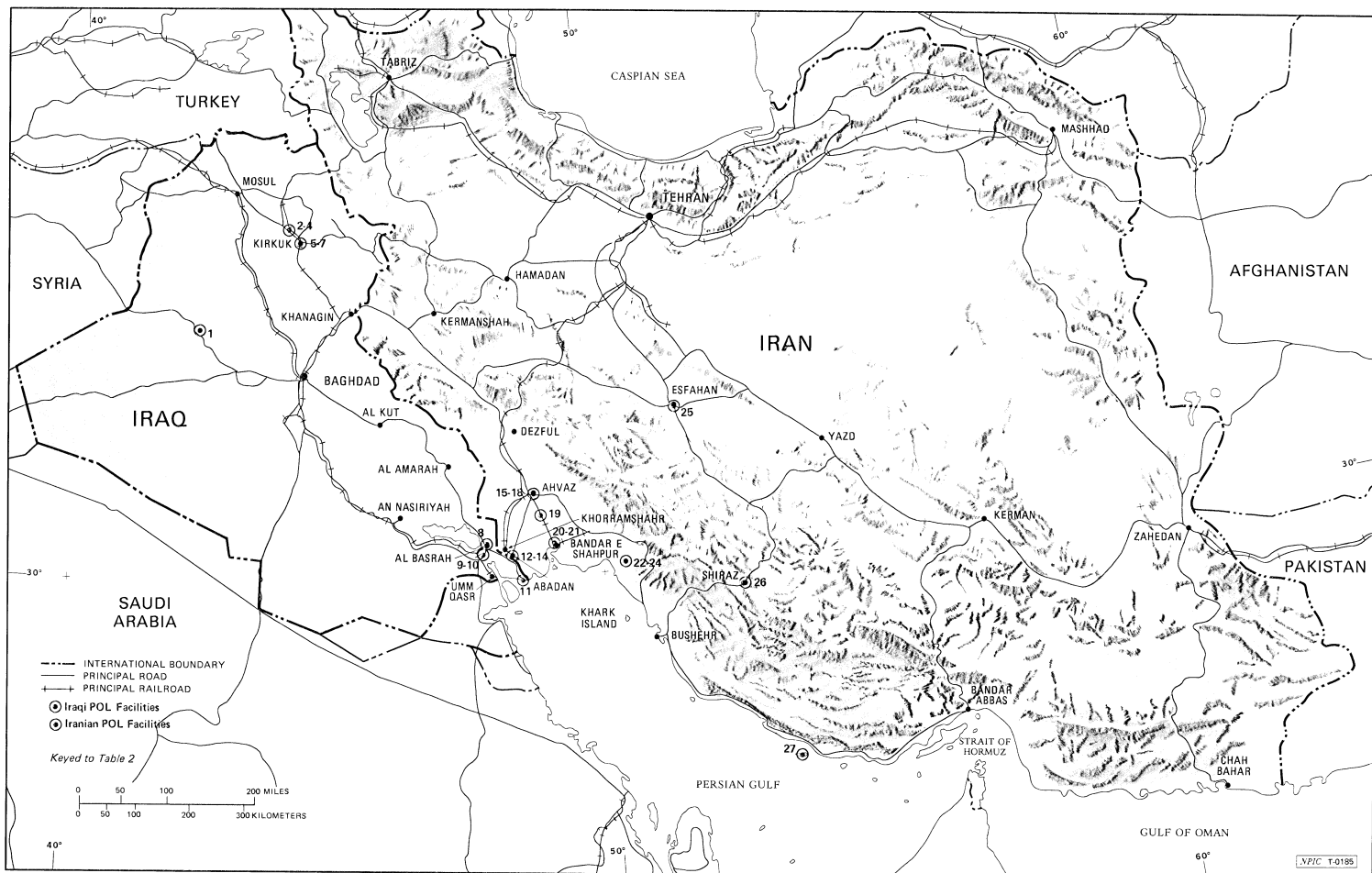


FIGURE 11. POL FACILITIES IN IRAQ AND IRAN

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**SECRET****GLOSSARY OF  
ACRONYMS AND ABBREVIATIONS***This glossary in its entirety is UNCLASSIFIED*

AA	Antiaircraft
AAA	Antiaircraft artillery
AD	Air defense
AORL	Small replenishment oiler
APB	Barracks ship
APC	Armored personnel carrier
AR	Repair ship
ARD-D	Floating drydock
ARD-T	Auxiliary repair dock
AW	Air warning
AWK	Water carrier
AX	Training ship
CP	Command post
DD	Destroyer
DDG	Guided missile destroyer
DIW	Dead in the water
FA	Field artillery
FFG	Guided missile frigate
GSP	Heavy amphibious ferry
LCM	Medium landing craft
LCU	Utility landing craft
LSM	Medium amphibious assault landing ship
LST	Amphibious vehicle landing ship
MRL	Multiple rocket launcher
MSC	Coastal minesweeper
MSF	Fleet minesweeper
MSI	Inshore minesweeper
NM	Nautical miles
PACV	Patrol air cushion vehicle
PB	Patrol boat
PBR	River/roadstead patrol boat
PCL	Small submarine chaser
PCS	Submarine chaser
PF	Patrol frigate
PGM	Motor gunboat
PMP	Heavy folding ponton bridge
POL	Petroleum, oil, and lubricant
PTG	Missile attack boat
RTP	Rail-to-road transfer point
RO/RO	Roll-on/roll-off
SAM	Surface-to-air missile
SP	Self-propelled
SPAA	Self-propelled antiaircraft
SPG	Self-propelled gun
SSM	Surface-to-surface missile
TEL	Transporter-erector-launcher
TMM	Truck-mounted bridge
VLCC	Very large crude carrier

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**REFERENCES**

[Redacted Reference Box]

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**MAPS OR CHARTS**

DoD. Joint Operations Graphics, Various Sheets (UNCLASSIFIED, Distribution Restricted)

**DOCUMENTS**

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DIA. DDB-1100-IR-78, *Ground Order of Battle: Iran (U)*, Aug 78 (SECRET/[Redacted])

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\*Extracted information is releasable to UK.

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